

AMENDMENT IN THE SPECIFICATION

1. Please amend a paragraph from line 14 on page 4 to line 7 on page 5 to read as follows:

A1
To achieve these and other objects in accordance with the principles of the present invention, as embodied and broadly described, the present invention provides a bit-rate independent optical receiver comprising: an optoelectric converter for converting an input optical signal to an electrical signal; a bit rate identifying unit having a identification signal generator for delaying the input signal, comparing the delayed signal with the original input signal period by period, and generating a sensing signal, and a bit rate deriving unit for ~~loss-pass-filtering~~ low-pass-filtering the sensing signal and determining the bit rate from the resulting voltage level; a reference clock generator having a plurality of oscillators for generating clock signals of different frequencies, for selectively operating the oscillators to generate the reference clock signal the same as the bit rate detected by the bit rate identifying unit; and a clock and data recovery circuit for recovering a clock signal and data from the input signal according to the reference clock signal.

2. Please amend a paragraph from line 17 on page 13 to line 5 on page 14 to read as follows:

A2
Meanwhile, FIG. 4B illustrates an input signal $[(a)]$ (a') at a different bit rate from that of the input signal (a) shown in FIG. 4A. In FIG. 4B, the bit rate of the input signal $[(a)]$ (a') is a fourth of that of the input signal (a) shown in FIG. 4A, that is, the input signal $[(a)]$ (a') has pulse period $[[T]]$ T' four times greater than T. The delay 42 generates a signal $[(b)]$ (b') delayed from

AZ the input signal $[(a)] (a')$ by $D = T/2$, namely, $[T/8] T'/8$. The operator 43 EXOR-gates the input signal $[(a)] (a')$ with the delayed signal $[(b)] (b')$ and generates a sensing signal $[(c)] (c')$. The sensing signal $[(c)] (c')$ has a plurality of pulses with high level periods presented at the same intervals as D.

3. Please amend a paragraph from line 6 through line 10 on page 14 to read as follows:

A3 In comparison between FIGs. 4A and 4B, when the sensing signals are generated using input signals received for the same time period, the pulses of the sensing signal (c) are a few times more than those of the sensing signal $[(c)] (c')$. That is, the pulse numbers of the sensing signals are different due to the different bit rates of the input signals, and the difference between the pulse numbers is proportional to the difference between the bit rates.
